Hear

Wednesday, 30/07/2008 5:29:17 PM

Julie Lecoca

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**

: 40820 : 13306

P.O. Number

Previous Run

This Issue

: 30/07/2008

: NC

Prsht Rev. First Issue

: 11 : 40000

S.O. No. :

Type : SMALL /MED FAB Part Number

Drawing Name

: D412769043

: AFT FACING SEAT ASS'Y LH

Drawing Number

: D412-769-1 REVB

Project Number

: N/A : B

Drawing Revision Material

Due Date

: 15/08/2008

Qty:

1 Um:

Each

Checked & Approved By

Comment

Written By

08.05-12 new issue DD verified by:EC

Est Rev:B 08-07-17 revB as per dwg DD verified by:ec-

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

2.0

D3782045

Back Leg Assembly

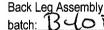


Comment: Qtv.:

2.0000 Each(s)/Unit

Total:

2.0000 Each(s)



40873

D3782041

Front Inboard Leg Assembly

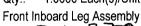


Comment: Qty.:

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)



batch: 1340810

4.0

D3782043

Front Outboard Leg Assembly, LH



Comment: Qty.: 1.0000 Each(s)/Unit

Total:

1.0000 Each(s)

Front Outboard Leg Assembly, LH

batch: B40871

5.0

D3783041

Lateral Brace Assembly



Comment: Qty.:

1.0000 Each(s)/Unit Total:

1.0000 Each(s)

Lateral Brace Assembly

batch: 1340874

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	WORK ORDER CHAN	NGES				
STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
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		Description of NC		Corrective Action Section B			n Approval Chief Eng	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	QC Inspecto
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Wednesday, 30/07/2008 5:29:17 PM Date: User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40820 Part Number: D412769043 Job Number: Seq. #: **Machine Or Operation: Description:** D3783043 6.0 Longitudinal Brace Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Longitudinal Brace Assembly batch: 13 40875 7.0 Angle Brace Assembly Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Brace Assembly batch: 73 40874 8.0 Seat Support Assembly, Center Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, Center batch: 13 40377 9.0 D3784043 Seat Support Assembly, LH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, LH batch: B 40878 D3784044 10.0 Seat Support Assembly, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, RH batch: 10 40879 D37661 Front Rail, LH 11.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Front Rail batch: 13 40863 Rear Rail 12.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Rear Rail batch: 1340710

W/O:		WORK ORDER CHANGES					
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Part No	-	PAR #: Fault Category: NCF	R: Yes	No DQA	\:	_ Date:	·

QA: N/C Closed: ____ Date: ___

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		Description of NC		Corrective Action Section E		Verification	Approval	Annuoval
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Date: Wednesday, 30/07/2008 5:29:17 PM User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40820 Part Number: D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** D37671 Upper Rail 13.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Upper Rail batch: B 4071 14.0 Seat Belt Eye Bolt-(s)/Unit Total: 3.0000 Each(2 Seat Belt Eye Bolt Total: Comment: Qty.: 2.0000 Each(s)/Unit 2.0000 Each(s) Bolt batch: M108 077 EYE BOLT 16.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) **EYE BOLT** batch: M (07-938 17.0 AN510A Bolt Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt batch: AN513A Bolt 18.0 Comment: Qty.: 2.0000 Each(s) 2.0000 Each(s)/Unit Total: Bolt 108167 batch:_ Washer 19.0 Comment: Qty.: Total: 21.0000 Each(s) 21.0000 Each(s)/Unit Washer batch: M 138588 (or NAS1149D0363J) batch:_

Dart Ae	rospace L	td							
W/O:			W	ORK ORDER CHANGES					
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		Section A	Chief Eng	Chief Eng	Date		on C 	Chief Eng	QC Inspector
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Date: Wednesday, 30/07/2008 5:29:17 PM User: Julie Lecocq. **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y LH Job Number: 40820 Part Number: D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** AN960JD416 20.0 Washer Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Washer batch: M LOB le 1 (or NAS1149D0463J) batch: AN960JD516 Washer 21.0 20.0000 Each(s)/Unit Total: 20.0000 Each(s) Comment: Qty.: Washer batch: M 1082-16 (or NAS1149D0568J) batch: 22.0 AN52510R24 Screw Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Screw 108270 batch: MS21042L3 23.0 Nut Comment: Qty.: 9.0000 Each(s) 9.0000 Each(s)/Unit Total: Nut batch: M MS21042L4 Nut 24.0 Comment: Qty.: 2.0000 Each(s) 2.0000 Each(s)/Unit Total: Nut batch: M 107499 MS21042L5 Nut 25.0 Comment: Qty.: 12.0000 Each(s)/Unit Total: 12.0000 Each(s) Nut batch: M 108471

W/O:			WORK OR	DER CHANGES					
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Date: Wednesday, 30/07/2008 5:29:17 PM User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40820 **Part Number:** D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 26.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 00-08-21 1- assemble as per dwg D412-769-1 27.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP POWDER COATING POWDER COATING 28.0 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- Powder coat remainig of assembly grey as per dwg D412-769-1 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: **OVEN TEMPERATURE:** FINISH TIME: 29.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 30.0 Comment: PACKAGING RESOURCE #1 Pick Packing Kit Guard 31.0 D37751 Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Guard 13792-1 Seat best eyebolt Qty 3 batch: B40209

Form: rproces

W/O:	į	WORK ORDER CHANGES	S					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #: Fault Category:	NCR	l: Yes	No DQ	A :	Date:	

QA: N/C Closed: ____ Date: ___

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		Description of NC		Corrective Action Section B		Verification	Approval	Amproval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
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Date: Wednesday, 30/07/2008 5:29:18 PM User: Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y LH Customer: CU-DAR001 Dart Helicopters Services Job Number: 40820 Part Number: D412769043 Job Number: Seq. #: Description: **Machine Or Operation:** 32.0 D37741 Seat Bottom, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH FF 08/08/22 (batch: <u>R405</u> 33.0 Seat Back, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH F 08/08/22 batch: B 405 88 34.0 Screw Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Screw 08/08/22 35.0 Washer Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Washer batch: 11 tz FF 08/08/22 (or NAS1149D@332J) batch: MS21042L3 36.0 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Comment: Qty.: Nut 08/08/22 M108747 AN35A 37.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt 08/08/22 M100 188 batch: SMALL FAB SMALL & MEDIUM FAB RESOURCE 1 38.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1- install remaining parts as per dwg D412-769-1

Form: rprocess

Page 6

W/O:		WORK ORDER CHA	ANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		DAD #: Fault Catagory	NCD: Voc	No DO		Data	1

Part No:	PAR #:	Fault Category:	NCR: Yes	No	DQA:	Date:	
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Date:

Wednesday, 30/07/2008 5:29:18 PM

User:

Julie Lecocq

Customer: CU-DAR001 Dart Helicopters Services

Process Sheet

Drawing Name: AFT FACING SEAT ASS'Y LH

Job Number: 40820

Part Number: D412769043

Job Number:



Seq. #:

Machine Or Operation:

Description:

39.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

PACKAGING RESOURCE #1

40.0

PACKAGING 1



Comment: PACKAGING RESOURCE #1

Identify and Stock Location.

40808

41.0

QC21

FINAL INSPECTION/W/O RELEASE





mF 08-08-20

Comment: FINAL INSPECTION/W/O RELEASE

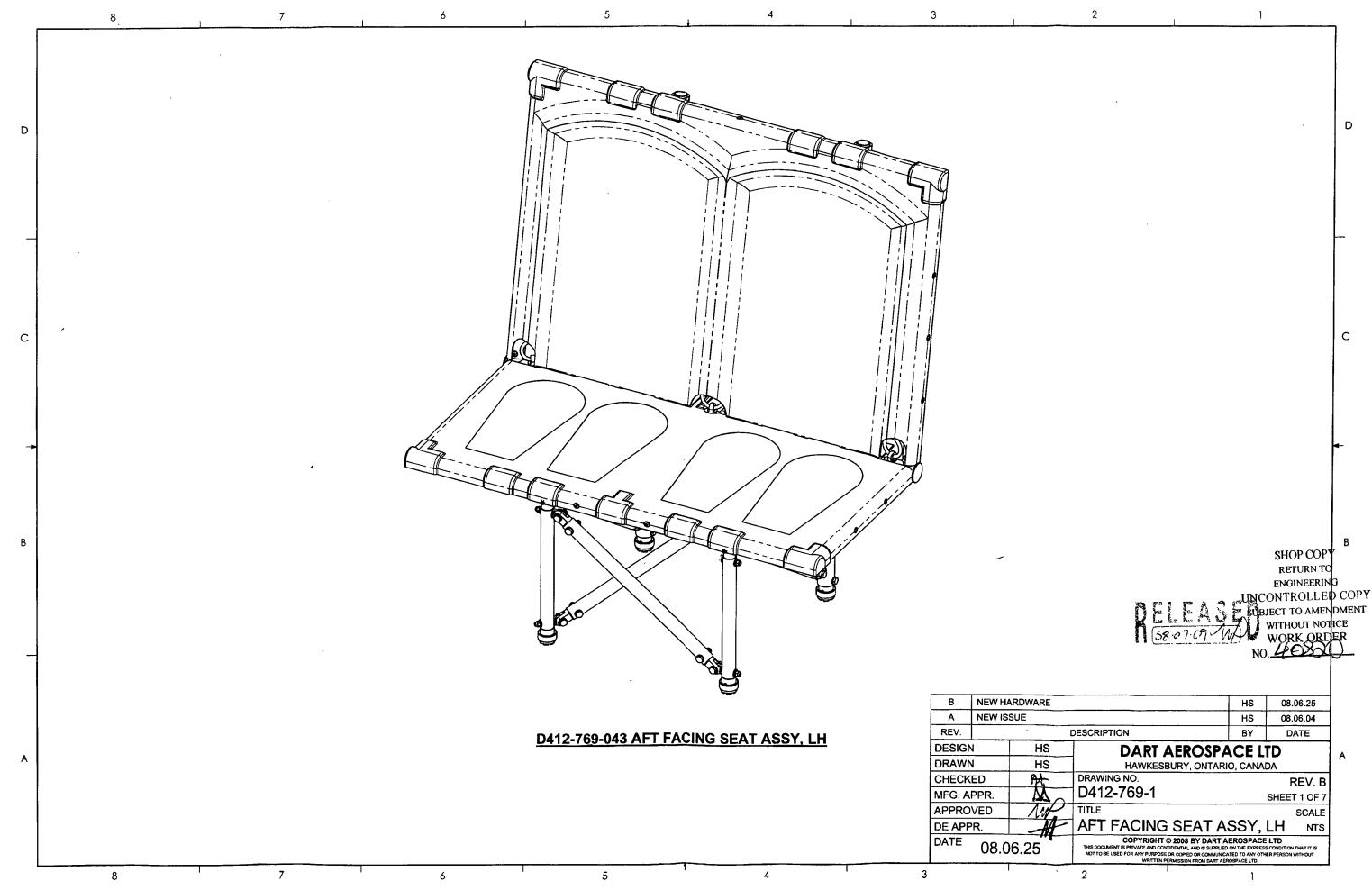
Job Completion



W/O:		WORK ORDER CHAP					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:	

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector



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ſ	ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
	1	D3782-045	BACK LEG ASSY	2
Ī	2	D3782-041	FRONT INBOARD LEG ASSY	1
ļ	3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
Ì	4	D3783-041	LATERAL BRACE ASSY	1
Ī	5	D3783-043	LONGITUDINAL BRACE ASSY	2
	6	D3783-045	ANGLE BRACE ASSY	1
Ì	7	D3784-041	SEAT SUPPORT ASSY	1
İ	8	D3784-043	SEAT SUPPORT ASSY, LH	1
	9	D3784-044	SEAT SUPPORT ASSY, RH	1
	10	D3766-1	FRONT RAIL, LH	1
	11	D3766-3	REAR RAIL	1
	12	D3767-1	UPPER RAIL	1
ļ	13	D3792-1	SEAT BELT EYE BOLT	3
ľ	14	D3775-1	GUARD	2
ļ	15	D3774-1	SEAT BOTTOM	1
Ī	16	D3774-3	SEAT BACK	1
İ	17	AN3-5A	BOLT	6
Ī	18	AN4-15A	BOLT	2
	19	AN45-13A	EYE BOLT	1
	20	AN5-10A	BOLT	6
. [21	AN5-13A	BOLT	2
/B\	22	AN525-10R22	SCREW	13
B	23	AN525-10R24	SCREW	9
	24	MS21042L3	NUT	28
	25	MS21042L4	NUT	2
	26	MS21042L5	NUT	12

(13) 8 SHOP COPY RETURN TO ENGINEERING

D412-769-043 AFT FACING SEAT ASSY, LH

DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. B D412-769-1 MFG. APPR SHEET 2 OF 7 APPROVED AFT FACING SEAT ASSY, LH DE APPR. COPYRIGHT © 2008 BY DART AEROSPACE LTD

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UNCONTROLLED COPY

NOTES: 1) MATERIAL: N/A

D

1) MATERIAL: N/A
2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR
TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.0010 MAX

NAS1149D0332J

NAS1149D0363J

NAS1149D0463J

NAS1149D0568J

6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)

8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

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27

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WASHER (AN960JD10L)

WASHER (AN960JD10)

WASHER (AN960JD416)

WASHER (AN960JD516)

13

21

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